

### SUMMARY

The invention relates to a method for the vertical mixing of gaseous, liquid, powdery and/or pasty products using, for example, a hollow shaft (2) and inner shaft (3) arranged in a housing, whereby paddle-shaped mixing tools (4) are provided on the hollow shaft (2) and on the inner shaft (3) there is provided a discharge device (9) arranged below an outlet (8) of the mixer (1). The mixer (1) is thereby completely filled in the operating state and the product (11) and additives are pressed onto the inner wall of the housing by means of the mixing tools (4). The product flows continuously downwards under the force of gravity and acts against the partly backward-conveying paddles. The continuous product flow is regulated using a rotary slide valve (9) provided at the outlet (8). The mixer (1) is especially suitable as a dosing device and/or for lubricating extruder and/or expander products.

(Fig. 1)